

OIPE

RAW SEQUENCE LISTING

DATE: 01/03/2002

PATENT APPLICATION: US/10/016,149

TIME: 13:54:12

Input Set : A:\ES.txt

Output Set: N:\CRF3\01032002\J016149.raw

Does Not Comply
Corrected Diskette Needed

5 <110> APPLICANT: C. Frank Bennett
7 Jacqueline Wyatt
11 <120> TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPASE A2, GROUP V (CA2+-
12 DEPENDENT) EXPRESSION
16 <130> FILE REFERENCE: RTS-0325
20 <140> CURRENT APPLICATION NUMBER: US/10/016,149
20 <141> CURRENT FILING DATE: 2001-11-01
20 <160> NUMBER OF SEQ ID NOS: 84
26 <210> SEQ ID NO: 1
28 <211> LENGTH: 20
30 <212> TYPE: DNA
32 <213> ORGANISM: Artificial Sequence
36 <220> FEATURE:
40 <223> OTHER INFORMATION: Antisense Oligonucleotide
44 <400> SEQUENCE: 1
46 tccgtcatcg ctctcaggg 20
52 <210> SEQ ID NO: 2
54 <211> LENGTH: 20
56 <212> TYPE: DNA
58 <213> ORGANISM: Artificial Sequence
62 <220> FEATURE:
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70 <400> SEQUENCE: 2
72 atgcattctg cccccaagga 20
78 <210> SEQ ID NO: 3
80 <211> LENGTH: 1016
82 <212> TYPE: DNA
84 <213> ORGANISM: Homo sapiens
88 ~~<220> FEATURE:~~
92 <220> FEATURE:
94 <221> NAME/KEY: CDS
96 <222> LOCATION: (133)...(549)
100 <400> SEQUENCE: 3
102 atggatacca atgttccgac tggagacggg gagcccgcca gaccggggtc tccagggctc 60
106 gcccaaggaa gttgtcatg ggagcagacc cctagagcag gatttgaggc caggccaaag 120
110 agaaccacag ag atg aaa ggc ctc ctc cca ctg gct tgg ttc ctg gct tgt 171
112 Met Lys Gly Leu Leu Pro Leu Ala Trp Phe Leu Ala Cys
114 1 5 10
118 agt gtg cct gct gtg caa gga ggc ttg ctg gac cta aaa tca atg atc 219
120 Ser Val Pro Ala Val Gln Gly Gly Leu Leu Asp Leu Lys Ser Met Ile
122 15 20 25
126 gag aag gtg aca ggg aag aac gcc ctg aca aac tac ggc ttc tac ggc 267
128 Glu Lys Val Thr Gly Lys Asn Ala Leu Thr Asn Tyr Gly Phe Tyr Gly
130 30 35 40 45
134 tgt tac tgc ggc tgg ggc ggc cga gga acc ccc aag gat ggc acc gat 315
136 Cys Tyr Cys Gly Trp Gly Gly Arg Gly Thr Pro Lys Asp Gly Thr Asp
138 50 55 60

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142 tgg tgc tgt tgg gcg cat gac cac tgc tat ggg cgg ctg gag gag aag      363
144 Trp Cys Cys Trp Ala His Asp His Cys Tyr Gly Arg Leu Glu Glu Lys
146          65          70          75
150 ggc tgc aac att cgc aca cag tcc tac aaa tac aga ttc gcg tgg ggc      411
152 Gly Cys Asn Ile Arg Thr Gln Ser Tyr Lys Tyr Arg Phe Ala Trp Gly
154          80          85          90
158 gtg gtc acc tgc gag ccc ggg ccc ttc tgc cat gtg aac ctc tgt gcc      459
160 Val Val Thr Cys Glu Pro Gly Pro Phe Cys His Val Asn Leu Cys Ala
162          95          100          105
166 tgt gac cgg aag ctc gtc tac tgc ctc aag aga aac cta cgg agc tac      507
168 Cys Asp Arg Lys Leu Val Tyr Cys Leu Lys Arg Asn Leu Arg Ser Tyr
170 110          115          120          125
174 aac cca cag tac caa tac ttt ccc aac atc ctc tgc tcc tag gcctccccag  559
176 Asn Pro Gln Tyr Gln Tyr Phe Pro Asn Ile Leu Cys Ser
178          130          135
182 cgagctctctc ccagaccaag acttttgttc tgtttttcta caacacagag tactgactct  619
186 gcctgggttcc tgagagaggc tcctaagtca cagacctcag tctttctcga agcttggcgg  679
190 acccccaggg ccacactgta cctccacggc agtcccagga gactgactct ggtcatagga  739
194 cttggtaggg tcccagggtc cctaggcctc cacttctgag ggcagccct ctggtgcca  799
198 gactctcct ccaactcagg gttggctgtg tctctttct tctctgaaga cagcgtcctg  859
202 gctccagttg gaacacttct ctgagatgca ctacttctc agcttctgcg atcagattat  919
206 caccaccacc accctccaga gaattttacg caagaagagc caaattgact ctctaaatct  979
210 ggtgtatggg tattaataaa aattcattct caaggct 1016
216 <210> SEQ ID NO: 4
218 <211> LENGTH: 18
220 <212> TYPE: DNA
222 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
230 <223> OTHER INFORMATION: PCR Primer
234 <400> SEQUENCE: 4
236 ggccttctg ccatgtga 18
242 <210> SEQ ID NO: 5
244 <211> LENGTH: 24
246 <212> TYPE: DNA
248 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
256 <223> OTHER INFORMATION: PCR Primer
260 <400> SEQUENCE: 5
262 gcctaggttt ctcttgaggc agta 24
268 <210> SEQ ID NO: 6
270 <211> LENGTH: 22
272 <212> TYPE: DNA
274 <213> ORGANISM: Artificial Sequence
278 <220> FEATURE:
282 <223> OTHER INFORMATION: PCR Probe
286 <400> SEQUENCE: 6
288 tctgacctgt accggaagct cg 22
294 <210> SEQ ID NO: 7
296 <211> LENGTH: 19

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298 <212> TYPE: DNA
300 <213> ORGANISM: Artificial Sequence
304 <220> FEATURE:
308 <223> OTHER INFORMATION: PCR Primer
312 <400> SEQUENCE: 7
314 gaaggtgaag gtcggagtc 19
320 <210> SEQ ID NO: 8
322 <211> LENGTH: 20
324 <212> TYPE: DNA
326 <213> ORGANISM: Artificial Sequence
330 <220> FEATURE:
334 <223> OTHER INFORMATION: PCR Primer
338 <400> SEQUENCE: 8
340 gaagatggtg atgggatttc 20
346 <210> SEQ ID NO: 9
348 <211> LENGTH: 20
350 <212> TYPE: DNA
352 <213> ORGANISM: Artificial Sequence
356 <220> FEATURE:
360 <223> OTHER INFORMATION: PCR Probe
364 <400> SEQUENCE: 9
366 caagcttccc gttctcagcc 20
372 <210> SEQ ID NO: 10
374 <211> LENGTH: 20
376 <212> TYPE: DNA
378 <213> ORGANISM: Artificial Sequence
382 <220> FEATURE:
386 <223> OTHER INFORMATION: Antisense Oligonucleotide
390 <400> SEQUENCE: 10
392 tctccagtcg gaacattggt 20
398 <210> SEQ ID NO: 11
400 <211> LENGTH: 20
402 <212> TYPE: DNA
404 <213> ORGANISM: Artificial Sequence
408 <220> FEATURE:
412 <223> OTHER INFORMATION: Antisense Oligonucleotide
416 <400> SEQUENCE: 11
418 gcagaccctg gagaccgagg 20
424 <210> SEQ ID NO: 12
426 <211> LENGTH: 20
428 <212> TYPE: DNA
430 <213> ORGANISM: Artificial Sequence
434 <220> FEATURE:
438 <223> OTHER INFORMATION: Antisense Oligonucleotide
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450 <210> SEQ ID NO: 13
452 <211> LENGTH: 20
454 <212> TYPE: DNA

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456 <213> ORGANISM: Artificial Sequence
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464 <223> OTHER INFORMATION: Antisense Oligonucleotide
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470 cttccttggg cagaccctgg                20
476 <210> SEQ ID NO: 14
478 <211> LENGTH: 20
480 <212> TYPE: DNA
482 <213> ORGANISM: Artificial Sequence
486 <220> FEATURE:
490 <223> OTHER INFORMATION: Antisense Oligonucleotide
494 <400> SEQUENCE: 14
496 cccatgagca acttccttgg                20
502 <210> SEQ ID NO: 15
504 <211> LENGTH: 20
506 <212> TYPE: DNA
508 <213> ORGANISM: Artificial Sequence
512 <220> FEATURE:
516 <223> OTHER INFORMATION: Antisense Oligonucleotide
520 <400> SEQUENCE: 15
522 ctgcctcccat gagcaacttc                20
528 <210> SEQ ID NO: 16
530 <211> LENGTH: 20
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534 <213> ORGANISM: Artificial Sequence
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542 <223> OTHER INFORMATION: Antisense Oligonucleotide
546 <400> SEQUENCE: 16
548 cctcaaatcc tgctctaggg                20
554 <210> SEQ ID NO: 17
556 <211> LENGTH: 20
558 <212> TYPE: DNA
560 <213> ORGANISM: Artificial Sequence
564 <220> FEATURE:
568 <223> OTHER INFORMATION: Antisense Oligonucleotide
572 <400> SEQUENCE: 17
574 ctctttggcc tggcctcaaa                20
580 <210> SEQ ID NO: 18
582 <211> LENGTH: 20
584 <212> TYPE: DNA
586 <213> ORGANISM: Artificial Sequence
590 <220> FEATURE:
594 <223> OTHER INFORMATION: Antisense Oligonucleotide
598 <400> SEQUENCE: 18
600 ggaqgccttt catctctggg                20
606 <210> SEQ ID NO: 19
608 <211> LENGTH: 20
610 <212> TYPE: DNA
612 <213> ORGANISM: Artificial Sequence

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616 <220> FEATURE:
620 <223> OTHER INFORMATION: Antisense Oligonucleotide
624 <400> SEQUENCE: 19
626 aagccaggaa ccaagccagt 20
632 <210> SEQ ID NO: 20
634 <211> LENGTH: 20
636 <212> TYPE: DNA
638 <213> ORGANISM: Artificial Sequence
642 <220> FEATURE:
646 <223> OTHER INFORMATION: Antisense Oligonucleotide
650 <400> SEQUENCE: 20
652 cactacaagc caggaaccaa 20
658 <210> SEQ ID NO: 21
660 <211> LENGTH: 20
662 <212> TYPE: DNA
664 <213> ORGANISM: Artificial Sequence
668 <220> FEATURE:
672 <223> OTHER INFORMATION: Antisense Oligonucleotide
676 <400> SEQUENCE: 21
678 gcacactaca agccaggaac 20
684 <210> SEQ ID NO: 22
686 <211> LENGTH: 20
688 <212> TYPE: DNA
690 <213> ORGANISM: Artificial Sequence
694 <220> FEATURE:
698 <223> OTHER INFORMATION: Antisense Oligonucleotide
702 <400> SEQUENCE: 22
704 aggcacacta caagccagga 20
710 <210> SEQ ID NO: 23
712 <211> LENGTH: 20
714 <212> TYPE: DNA
716 <213> ORGANISM: Artificial Sequence
720 <220> FEATURE:
724 <223> OTHER INFORMATION: Antisense Oligonucleotide
728 <400> SEQUENCE: 23
730 tgcacagcag gcacactaca 20
736 <210> SEQ ID NO: 24
738 <211> LENGTH: 20
740 <212> TYPE: DNA
742 <213> ORGANISM: Artificial Sequence
746 <220> FEATURE:
750 <223> OTHER INFORMATION: Antisense Oligonucleotide
754 <400> SEQUENCE: 24
756 cagcaagcct ccttgcacag 20
762 <210> SEQ ID NO: 25
764 <211> LENGTH: 20
766 <212> TYPE: DNA
768 <213> ORGANISM: Artificial Sequence
772 <220> FEATURE:

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VERIFICATION SUMMARY

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L:20 M:270 C: Current Application Number differs, Replaced Current Application No

L:20 M:271 C: Current Filing Date differs, Replaced Current Filing Date